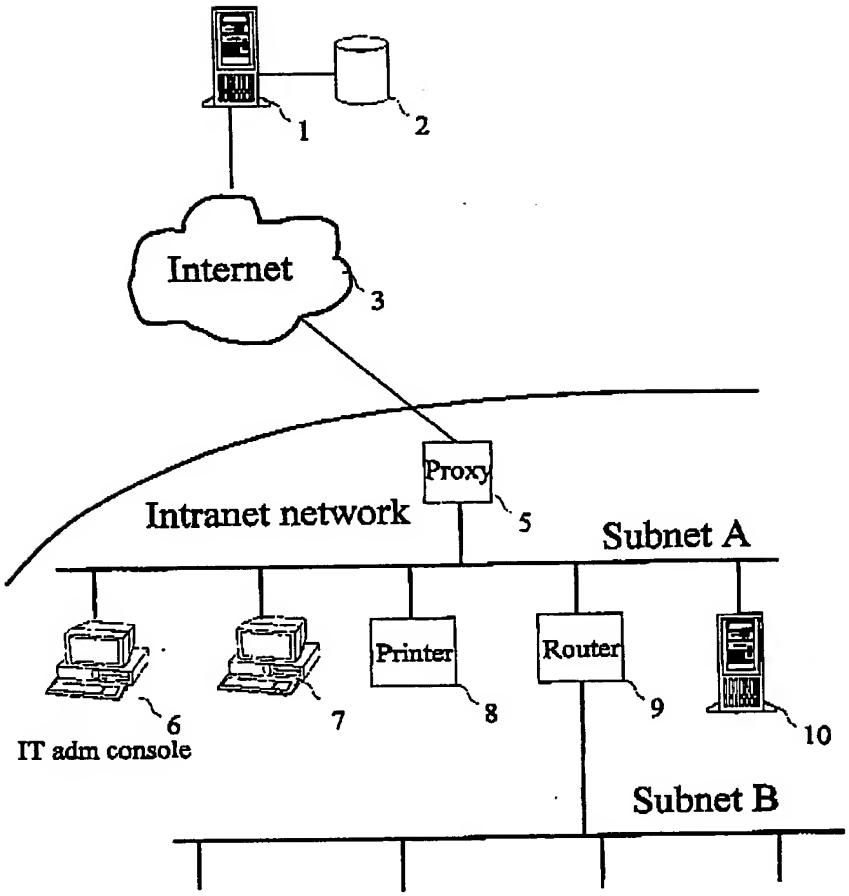
1
2
Internet
3
Proxy
5
Intranet network
Subnet A
6
IT adm console
7
Printer
8
Router
9
10
Subnet B

Fig. 1

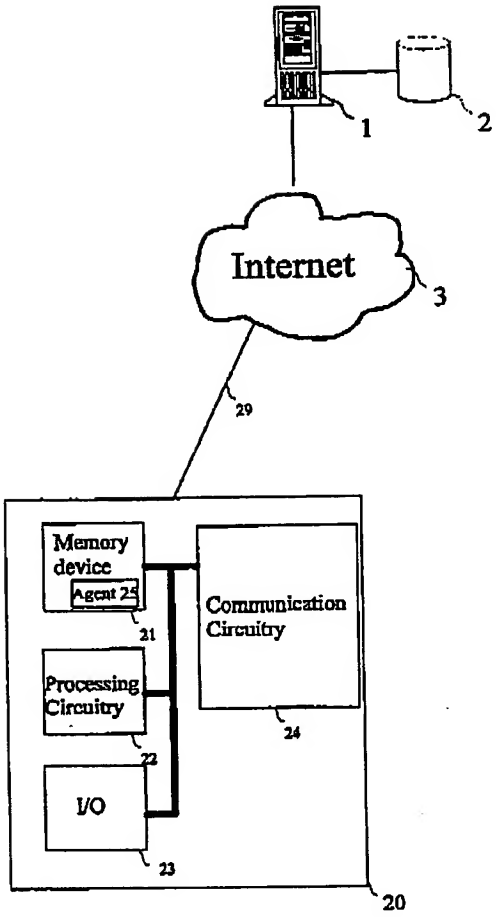
1
2
Internet
3
29
Memory device
Agent 25
21
Communication Circuitry
24
Processing Circuitry
22
I/O
23
20

Fig. 2a

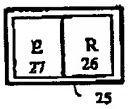
R
27
R
26
25

Fig. 2b

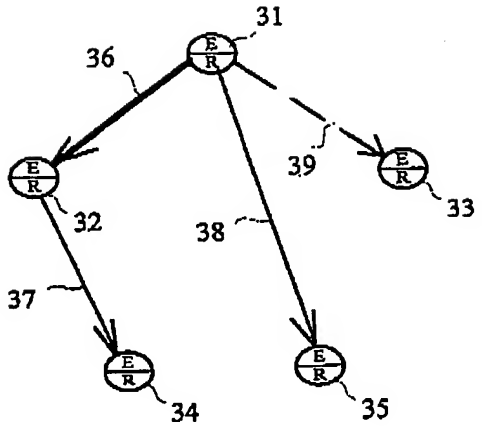

Fig. 3

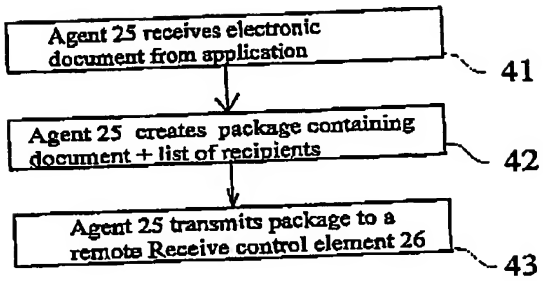
Agent 25 receives electronic document from application
41
Agent 25 creates package containing document + list of recipients
42
Agent 25 transmits package to a remote Receive control element 26
43

Fig. 4

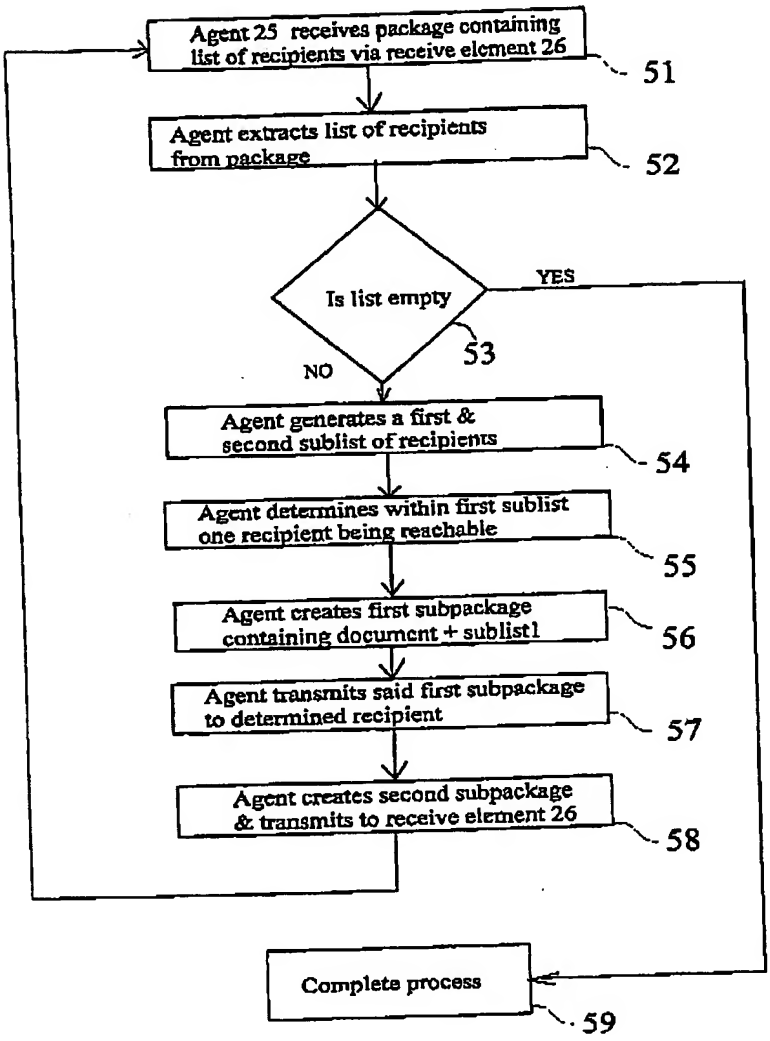
Agent 25 receives package containing list of recipients via receive element 26
51
Agent extracts list of recipients from package
52
Is list empty
53
YES
NO
Agent generates a first & second sublist of recipients
54
Agent determines within first sublist one recipient being reachable
55
Agent creates first subpackage containing document + sublist1
56
Agent transmits said first subpackage to determined recipient
57
Agent creates second subpackage & transmits to receive element 26
58
Complete process
59

Fig. 5

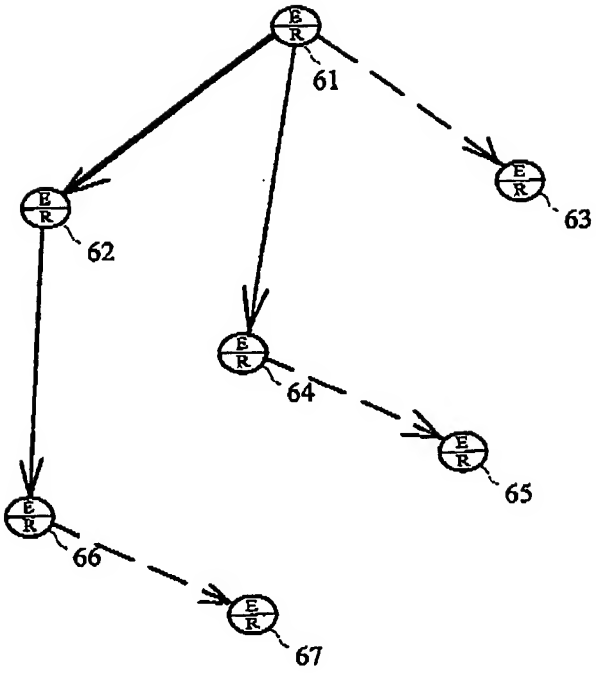

Fig. 6